| Index of Claims |              |          |          |          |                    |           |              |              |              | Application No. |   |     |       |          |          |        |         |              | Applicant(s)    |              |               |        |       |            |                 |          |          |                   |              |  |                 |           |   |
|-----------------|--------------|----------|----------|----------|--------------------|-----------|--------------|--------------|--------------|-----------------|---|-----|-------|----------|----------|--------|---------|--------------|-----------------|--------------|---------------|--------|-------|------------|-----------------|----------|----------|-------------------|--------------|--|-----------------|-----------|---|
|                 |              | 111111   |          |          |                    |           |              |              |              |                 |   |     |       |          |          |        | 10/     | 687          | .74             | 19           |               |        |       |            |                 | FE       | EE 1     | ΞΤ                | AL           |  |                 |           |   |
|                 |              |          |          | Ш        |                    |           |              |              |              |                 | Ш |     |       |          |          |        |         | mir          |                 |              |               |        |       |            |                 |          | t Ui     |                   | - 12         | <u>.                                    </u> | $\top$          |           |   |
|                 |              |          |          | Ш        |                    |           |              |              |              |                 | Ш |     |       |          |          |        |         |              |                 |              |               |        |       |            |                 |          |          |                   |              |  |                 |           |   |
|                 |              | HUUL     | JULB     |          |                    |           |              |              | #            |                 |   | Ш   |       |          |          |        | Fili    | o Z          | ec              |              |               |        |       |            |                 | 37       | 44       |                   |              |  |                 |           |   |
|                 |              |          |          |          |                    |           |              |              | _            |                 |   |     |       |          |          |        |         |              |                 |              |               |        |       |            |                 |          |          |                   |              |  |                 |           |   |
|                 |              |          | ,        | D        | jec                |           | _            |              |              |                 |   | (TI | hrou  | ıgh r    | ume      | era    | l)      |              |                 | NI.          | C             | lect   |       |            |                 |          | ۸        |                   | -1           |  |                 |           |   |
|                 |              |          | √        | Κŧ       | gjec               | ; tec     | a            |              | ľ            | -               |   | •   | Ca    | ance     | lled     |        | •       |              | N               | NC           | on-E          | :19C1  | ea    |            | A               |          | Αp       | pe                | aı           |  |                 |           |   |
|                 |              |          |          |          |                    |           | ┑            |              | ı            | T               |   |     |       |          |          |        |         | 1            |                 |              |               | -      |       |            | П               |          |          |                   |              |  |                 |           |   |
|                 |              |          | =        | Αl       | low                | vec       | 1            |              |              | +               |   |     | Re    | stric    | ted      |        |         |              | 1               | In           | terf          | eren   | Ce    |            | 이               |          | Obj      | ect               | ed           |  |                 |           |   |
|                 |              |          | لــــا   | -        |                    |           |              |              | L            |                 |   |     |       |          |          |        |         | ا ل          |                 |              |               |        |       | l          | ш               |          |          |                   |              |  | J               |           |   |
|                 | Cli          | aim      |          |          |                    | D         | ate          |              |              |                 |   |     | CI    | aim      |          |        | -       | Date         | 9               |              |               | 7:::(  | CI    | aim        | Ι               |          |          | Da                | te           |  |                 |           |   |
|                 |              | T        |          | П        | Т                  | $\Box$    | T            | Т            | Т            |                 |   |     |       |          |          | Т      | Т       |              |                 |              |               |        |       |            |                 |          |          | Т                 | Т            |  |                 |           | • |
|                 | Final        | Original | 4/1/05   |          |                    | ļ         |              |              |              |                 |   |     | Final | Original |          |        | 1       |              |                 |              |               |        | Final | Original   |                 |          |          | -                 |              |  |                 |           |   |
|                 | Œ            | ō        | 4        |          |                    | - 1       |              |              | -            |                 |   |     | ίΞ    | ō        |          |        |         |              |                 |              |               |        | 证     | Ö          |                 |          |          | 1                 |              |  |                 |           |   |
|                 |              | 1        | 1        |          | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 51       |          | +      | +-      | +            |                 | -            |               | -      |       | 101        | $\vdash$        | +        | $\dashv$ | ╁                 | +            | Н  | $\vdash$        |           |   |
|                 | <u> </u>     | 2        | V        | $\dashv$ | $\dashv$           | $\dagger$ | 十            | +            | $\dagger$    | $\dashv$        |   |     |       | 52       | +        | 十      | +-      | +            |                 | _            | _             | 1 1    |       | 102        | $\vdash$        | $\dashv$ | $\dashv$ | ╈                 | +            | Н  | $\vdash$        |           |   |
|                 |              | 3        | V        |          |                    |           | ユ            | 工            | $\perp$      |                 |   |     |       | 53       |          |        |         |              |                 |              |               |        |       | 103        |                 |          |          |                   |              |  |                 |           |   |
|                 |              | 4        | 1        | J        | $\Box$             | $\bot$    | 7            | [            | Ţ            | J               |   |     |       | 54       |          | $\bot$ |         | $\Box$       | П               |              | $\perp$       |        |       | 104        | П               |          |          | $oldsymbol{\bot}$ |              | $\Box$                                       |                 |           |   |
|                 | <u> </u>     | 5        | 1        | $\dashv$ | -                  | 4         | $\dashv$     | +            | 4            | 4               |   |     |       | 55       | $\vdash$ | +      | +       | $\vdash$     | $\vdash \vdash$ | $\dashv$     | +             | -      |       | 105        | $\vdash \vdash$ | $\dashv$ | +        | +                 | +            | $\vdash \vdash$                              | $\vdash \vdash$ | $\dashv$  |   |
|                 | <u> </u>     | 7        | 1        | $\dashv$ | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 56<br>57 | +        | +      | +       | $\vdash$     | $\vdash$        | +            | +             | -      | -     | 106<br>107 | $\vdash$        | +        | +        | +                 | +            | $\vdash$                                     | $\vdash \vdash$ | -         |   |
|                 |              | 8        | V        | $\dashv$ | +                  | +         | +            | +            | $\dashv$     | $\dashv$        |   |     |       | 58       | +        | +      | +       | $\vdash$     | H               | +            | +             | ┪╢     |       | 108        | $\vdash$        | +        | +        | +                 | +            | Н  | H               | $\dashv$  |   |
|                 |              | 9        | 1        | 7        |                    | $\top$    | $\top$       |              |              | T               |   |     |       | 59       |          | $\top$ |         |              |                 | $\neg$       |               |        |       | 109        | П               |          |          |                   | $\top$       |  |                 | $\neg$    |   |
|                 |              | 10       | 1        |          |                    | $\Box$    | $\Box$       |              |              | $\Box$          |   |     |       | 60       |          |        | $\perp$ |              |                 | $\perp$      |               | ][     |       | 110        |                 | $\Box$   |          |                   | $oxed{oxed}$ |  |                 |           |   |
|                 |              | 11       | 1        | _        | _                  | $\perp$   | $\downarrow$ | _            | 4            | _               |   |     |       | 61       | 1        | 4      | 4       | 1            |                 | _            | _             | -      |       | 111        | $\perp$         | 4        | _        | $\bot$            | _            |  | $\square$       |           |   |
|                 |              | 12<br>13 | 1        | +        | +                  | +         | $\dashv$     | +            | -+           |                 |   |     |       | 62<br>63 | $\vdash$ | +      | +-      | +-           | H               | +            | +             | -      |       | 112<br>113 | Н               | +        | +        | +                 | ╄            | $\vdash$                                     | $\vdash$        | Н         |   |
|                 |              | 14       | 1        | •        | +                  | +         | +            | +            | $\dashv$     |                 |   |     |       | 64       |          | +      | ╁       | +            | $\vdash$        | -+           | +             | 1 1    |       | 114        | H               | +        | +        | +                 | +            |  | H               | Н         |   |
|                 |              | 15       | 1        | $\dashv$ | $\top$             | +         | $\top$       | 十            | $\dashv$     | _               | _ |     |       | 65       |          | $\top$ | +       | 1            | П               | 7            | $\top$        | 1 1    |       | 115        | П               |          | T        | T                 |              |  | П               |           |   |
|                 |              | 16       | √        |          |                    |           | $\Box$       | $\Box$       | $\Box$       |                 | _ |     |       | 66       |          |        |         |              |                 |              |               |        |       | 116        |                 |          |          |                   |              |  |                 |           |   |
|                 |              | 17       | 1        | _        | -                  | -         | +            | $\bot$       | 4            | $\dashv$        |   |     |       | 67       | $\sqcup$ | 4      | 1       | $\perp$      | $\square$       | 4            | _             | 4:::1  |       | 117        | $\vdash$        | $\dashv$ |          | ╀                 |              | -  | $\square$       | Щ         |   |
|                 | -            | 18<br>19 | 7        | $\dashv$ | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 68<br>69 | $\vdash$ | +      |         | +            |                 |              |               | - :::  |       | 118<br>119 | -               | $\dashv$ | +        | +                 | +            | $\vdash$                                     | Н               | Н         |   |
|                 |              | 20       | 1        | -        | +                  | +         | +            | +            | $\dagger$    | $\dashv$        |   |     |       | 70       | $\dashv$ | +      | +       | +            |                 | _            |               | -      |       | 120        | Н               | $\dashv$ | +        | +                 | +            | $\vdash$                                     | Н               | Ħ         |   |
|                 |              | 21       | 1        |          | $\dashv$           | $\dashv$  | 十            | 十            | 7            | $\neg$          | _ |     |       | 71       |          |        |         |              |                 |              |               |        |       | 121        |                 |          |          |                   |              |  |                 |           |   |
|                 |              | 22       | 1        |          |                    | $\Box$    | $\perp$      | ightharpoons | $\downarrow$ |                 |   |     |       | 72       |          |        |         | $\Box$       |                 | $\Box$       |               | ]      |       | 122        |                 | $\Box$   |          |                   |              |  |                 |           |   |
|                 | <u> </u>     | 23       | 1        | $\dashv$ | $\perp$            | 4         | +            | 4            | $\dashv$     | $\dashv$        |   |     |       | 73       |          |        | 4       | ╄            |                 |              | -             | -      |       | 123        | Н               | 4        | +        | -                 | +            |  | Н               | Щ         |   |
|                 | _            | 24<br>25 | 1        |          | -                  | +         | +            | +            | +            | $\dashv$        |   |     | ļ     | 74<br>75 |          | +      |         | ╁            |                 | -+           |               | -      |       | 124<br>125 | Н               | +        | +        | +                 | +            | $\vdash$                                     | Н               | Н         |   |
|                 |              | 26       | -        | $\dashv$ | -                  | +         | 十            | +            | 十            | $\dashv$        | _ |     |       | 76       | -        | -      | +       | $\vdash$     | $\vdash$        |              |               | -      |       | 126        | H               | $\dashv$ | -        | ╁                 | +            | H  | H               | Н         | - |
|                 |              | 27       |          | _        | $\dashv$           | 7         | 十            | 十            | 寸            | 1               |   |     |       | 77       |          | 十      | $\neg$  |              | H               | _            | $\neg \vdash$ | 1 1    |       | 127        |                 |          | $\top$   | T                 |              |  | П               |           |   |
|                 |              | 28       |          | $\Box$   |                    | $\Box$    | $\perp$      | $\perp$      | $\Box$       | $\Box$          |   |     |       | 78       |          | I      | $\perp$ |              |                 | $\Box$       |               | ] [    |       | 128        | П               | $\Box$   | $\perp$  | T                 |              | $\Box$                                       |                 |           |   |
|                 |              | 29       | Ш        | _        | _                  | _         | +            | $\dashv$     | 4            | $\dashv$        |   |     |       | 79       | -        | - -    | -       | -            |                 | +            | $\perp$       | -      |       | 129        | $\sqcup$        | $\dashv$ |          | +                 | -            | $\sqcup$                                     |                 |           |   |
|                 |              | 30<br>31 | $\vdash$ | $\dashv$ | $\dashv$           | $\dashv$  | +            | +            |              |                 |   |     |       | 80<br>81 | $\vdash$ | +      | +       | $\vdash$     | $\vdash \vdash$ | +            | +             | -      |       | 130<br>131 | Н               | +        | -        | +                 | +            | <del>  </del>                                |                 | H         |   |
|                 |              | 32       | $\vdash$ | -        | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 82       | $\dashv$ | +      | +       | +            | $\vdash$        | +            | +             | ╢╟     |       | 132        | $\vdash \vdash$ | $\dashv$ | +        | +                 | +            | H  | $\vdash$        | H         |   |
|                 |              | 33       | П        | $\dashv$ | $\top$             | $\top$    | 十            | 十            | $\dashv$     | 寸               |   |     |       | 83       | -        | 1      | $\top$  | $\Box$       |                 | _            |               |        |       | 133        |                 | _†       |          |                   |              |  |                 |           |   |
|                 |              | 34       | П        | $\Box$   |                    | $\Box$    | 工            | $\bot$       | $\Box$       | $\Box$          |   |     |       | 84       |          | T      | $\perp$ |              |                 |              |               | ]      |       | 134        |                 | $\Box$   |          | I                 |              |  |                 |           |   |
|                 |              | 35       | $\vdash$ |          | -                  | 4         | +            | +            | +            | $\dashv$        |   |     |       | 85       | $\dashv$ | +      | +       | -            |                 | _            | _             | -      |       | 135        |                 | 4        | +        | +                 | ┼            | $\vdash \vdash$                              | $\vdash \vdash$ |           |   |
|                 | <u> </u>     | 36       | Н        | $\dashv$ | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 86<br>87 | $\dashv$ | +      | +       | $\vdash$     | ┝               | -            | +             | -      |       | 136<br>137 | $\vdash$        | +        | +        | +                 | +-           | ┼  | ┝╌┤             | $\vdash$  |   |
|                 |              | 38       | H        | $\dashv$ | $\dashv$           | +         | +            | +            | $\dashv$     | $\dashv$        |   |     |       | 88       |          | 十      | +       | +            |                 | 十            | +-            | 1      |       | 138        | H               | $\dashv$ | +        | +                 | +-           | 1-   | $\vdash$        | $\vdash$  |   |
|                 |              | 39       |          | 丁        |                    | _         | 士            | 士            | _            |                 | _ |     |       | 89       |          | 丁      | 上       |              |                 |              | ┰             |        |       | 139        |                 | 丁        |          | 上                 |              |  |                 |           |   |
|                 |              | 40       |          | $\Box$   | $\Box$             | 1         | 工            | $\bot$       | 1            | $\Box$          | _ |     |       | 90       | $\Box$   | T      |         | $oxed{\Box}$ | П               | $\perp$      |               |        |       | 140        | $\Box$          | $\perp$  | $\perp$  | $\perp$           | L            | П  |                 | П         |   |
|                 | <u> </u>     | 41       | $\vdash$ | $\dashv$ | $\dashv$           | +         | +            | +            | +            | $\dashv$        |   |     |       | 91       | $\dashv$ | +      | +       | $\vdash$     | ${dash}$        | $\dashv$     | +             | -      |       | 141        | $\sqcup$        | 4        | _        | +                 | $\perp$      | $\vdash$                                     | $\vdash \dashv$ | $\square$ |   |
|                 | <del> </del> | 42       | $\vdash$ | $\dashv$ | -                  | +         | +            | +            | +            | -               |   |     |       | 92       | $\dashv$ | +      | +       | +-           | $\vdash$        | $\dashv$     |               | -      |       | 142<br>143 | $\vdash$        | +        | +        | ╁                 | +            | $\vdash$                                     |                 | H         |   |
|                 |              | 44       | H        | $\dashv$ | +                  | +         | +            | +            | +            | $\dashv$        |   |     |       | 94       | +        | +      | +       | $\vdash$     | H               | $\dashv$     | +             | 1      |       | 144        | $\vdash$        | $\dashv$ | +        | +                 | +            | H  | $\vdash \vdash$ | $\vdash$  |   |
|                 |              | 45       |          | 力        | 士                  | 士         | 士            | 士            | _            |                 | _ |     |       | 95       |          | J      | 上       | $\Box$       |                 | ightharpoons | 工             |        |       | 145        |                 | 丁        | 工        | I                 | $\perp$      |  |                 |           |   |
|                 |              | 46       |          | $\Box$   | $\Box$             | $\prod$   | $\bot$       | $\bot$       | Ţ            | 4               |   |     |       | 96       | $\Box$   | T      |         |              | Ш               | $\bot$       |               | _    [ |       | 146        | $\Box$          | $\bot$   |          | I                 | $\perp$      |  |                 | $\Box$    |   |
|                 | <u> </u>     | 47       | <u> </u> | _        | - -                | +         | +            | +            | 4            | _               |   |     |       | 97       | $\dashv$ | +      | -       | -            |                 | $\dashv$     |               | -      |       | 147        | $\vdash$        | +        | _        | +                 | +            | $\vdash \vdash$                              | $\vdash \mid$   | Щ         |   |
|                 |              | 48       | L        |          | $oldsymbol{\perp}$ | $\perp$   | L            | L            |              | _1              |   |     |       | 98       |          |        |         | 1            | I               | 1_           | [             |        |       | 148        | 1_              |          | 1 _      |                   | 1            | 1_ !   | ıl              | 1 1       |   |